

## **ABSTRACT**

### **IMPROVEMENT STUDENT ACHIEVEMENT USING THINK-PAIR-SHARE LEARNING MODEL IN *PERHITUNGAN ELEMEN MESIN (PEM)* COURSE IN SMK N 2 YOGYAKARTA**

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This study aims at: (1) Knowing the differences in students achievement using model of Think-Pair-Share learning with conventional learning model in Perhitungan Elemen Mesin course (2) Knowing the achievements which is better between the experimental group with the control group (3) Knowing the learning interest of students in Perhitungan Elemen Mesin course using Think-Pair-Share learning model.

This study is a quasi-experimental design using randomized control group pretest-posttest. The population is class XI, student of Mechanical Engineering in SMK N 2 Yogyakarta at year 2009/2010, consists of 6 classes, 180 students. Sampling Technique was using the technique of random assignment. The sample consisted of two classes, one class as the control class and one other class as a class experiment. Data analysis techniques were using descriptive statistics, t-test (test of difference between groups).

There is difference student achievement in Perhitungan Elemen Mesin course between students who using the conventional learning model (control class) with students who using Think-Pair-Share learning model (experimental class). The average value of the control class 53.83 to an average value of 60.5, while the experimental class learning achievement increased of the average value of 48.9 to an average value of 80.05. The results showed that the posttest t-count bigger than t-table ( $7.364 \geq 2.004$ ). This means an increase in student achievement using a learning model of Think-Pair-Share (experimental class) is better than increasing student achievement with the conventional learning model (control class). The learning interests of students in Perhitungan Elemen Mesin (PEM) course was using model of Think-Pair-Share learning, including very high category. Majority respondents have category of very high at 66.7% or 18 students, and 9 students or 33.3% have high category.